



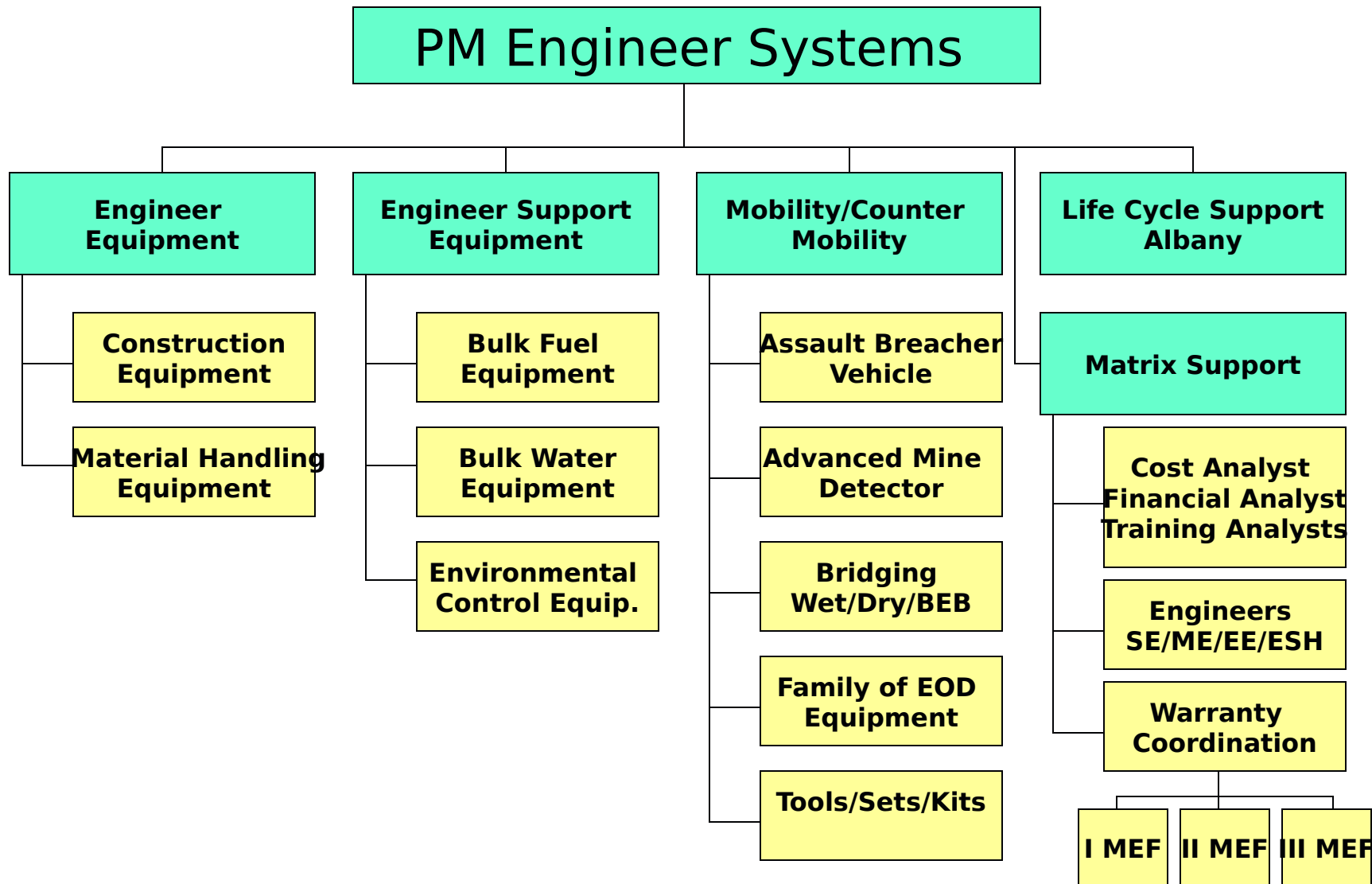
Program Manager Engineer Systems



July 2004

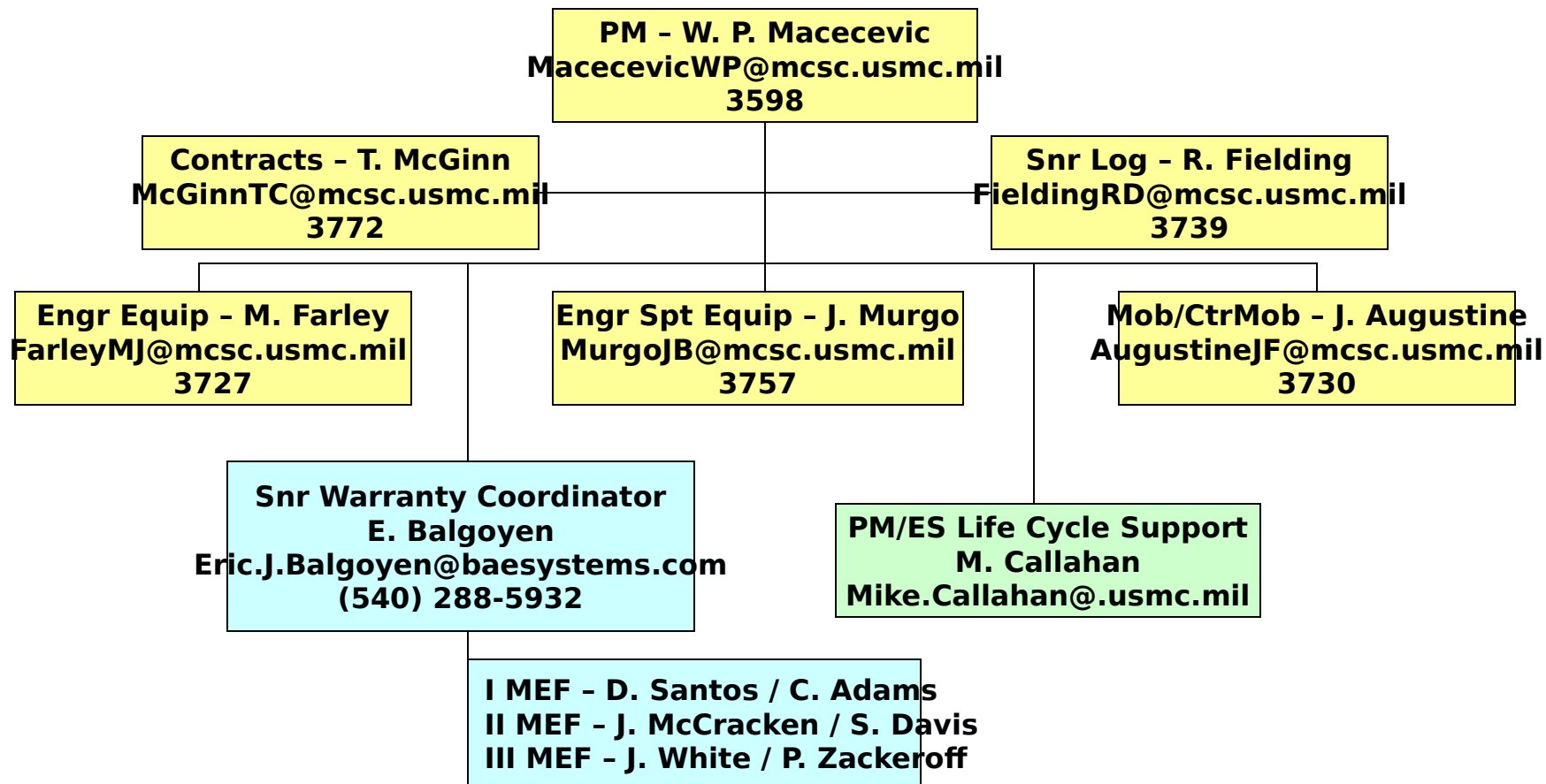


Organization





Organizational Chart



Quantico (703) 432-XXXX, DSN 378-XXXX

MCSC Albany (229) 639-5028, DSN 567-5028



Extendable Boom Forklift



DESCRIPTION

- The EBFL is a modified COTS, medium lift, diesel powered, telehandler for lifting palletized loads up to 11,000 lb. It is an air transportable, rough-terrain capable, self-deployable material handler

PROGRAM STATUS

- Fielding of Tier II forklifts
 - I MEF Tier II 4th Qtr FY04
 - II MEF Tier II 4th Qtr FY04
 - MPS III, MARFORRES, NALMEB 1st Qtr FY05
- Applying Fender, Fan, Fuel and Axel Mods at unit locations

MILESTONE SCHEDULE

Fiscal Year	FY01				FY02				FY03				FY04				FY05			
Quarter	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
LCCE	◆																			
Contract Award					◆															
Milestone A/C									◆											
Production																				
Fielding																				



Marine Corps Tactical Welding Shop



DESCRIPTION

- The Self-contained portable welding shop unit, with tools, machinery, expendable supplies, compressed air on demand, and wired for electrical powered lights and hand tools. Provides SMAW (Stick), FCAW (Fluxcore), GTAW (TIG), Aluminum Welding, Plasma Cutting, (Oxy/Acy) Cutting Capability

PROGRAM STATUS

- Fielding of Welders
 - MPS I 4th Qtr FY04
 - MARFORRES 4th Qtr FY04
 - MPS II and NALMEB 4th Qtr FY04

AAO: 181

May 2004

MILESTONE SCHEDULE

Fiscal Year	FY01				FY02				FY03				FY04				FY05			
Quarter	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
AAP Approval				◆																
USMC Users Test								◆												
Contract Award											◆									
Production													■	■	■	■				
Fielding													■	■	■	■				



Runway Sweeper



DESCRIPTION

- Diesel engine-driven, Truck-mounted, regenerative vacuum
- Used for cleaning debris and FOD on fixed-site and expeditionary airfields

PROGRAM STATUS

- Fielding Complete

MILESTONE SCHEDULE

Fiscal Year	FY01				FY02				FY03				FY04				FY05			
Quarter	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
AAP Approval				◆																
Contract Award						◆														
LUE								■												
Limited Production						■	■													
Production									■	■	■	■								
Fielding										■	■	■								



260 CFM Compressor



DESCRIPTION

- Trailer mounted unit
- Furnishes 260 cfm at a pressure of 100 psi
- Will operate pneumatic tools (SL-3 items)

PROGRAM STATUS

- Fielding of Compressors
 - MARFORRES 4th Qtr FY04
 - MPS 4th Qtr FY04
 - NALMEB 4th Qtr FY04

MILESTONE SCHEDULE

Fiscal Year	FY02	FY03	FY04	FY05
Quarter	I II III IV	I II III IV	I II III IV	I II III IV
AAP Approval	♦			
Contract Award	♦			
LUE		■		
Production			■	
Fielding			■	



Backhoe Loader (BHL)



DESCRIPTION

- Light-weight, rubber-tired tractor equipped with front-end loader and backhoe
- Equipped with hydraulically powered tools:
 - Pavement Breaker
 - Rock Drill
 - Chainsaw

PROGRAM STATUS

- Contract Award - Aug 03
- Limited Production - Mar 04
- LUE - May 04
- Production Decision - Jul 04

MILESTONE SCHEDULE

Fiscal Year	Prior Years	FY03	FY04	FY05
Quarter	I II III IV	I II III IV	I II III IV	I II III IV
Business Analysis		◆		
LCCE		◆		
AAP Disignation		◆		
Contract Award		◆		
Limited Production / LUE			▬	
Production / Fielding			▬	



Engineer Trailer



DESCRIPTION

- Commercial Tag Along Trailer for transporting the Backhoe Loader (BHL)

PROGRAM STATUS

- NATC performing analysis of the trailer
- Test Report delivered to MCSC - Jul 04
- Production Decision 4th Qtr Fy04

MILESTONE SCHEDULE

- Engineer Trailer will be fielded with the BHL.



TRAM, Remanufacture



DESCRIPTION

- Diesel-powered, four-wheel drive, rubber-tired, articulated steering tractor, Capable of operating in rough terrain
- Outfitted with a bucket, multi-purpose, 4-in-1, 2 1/2 yard,
- Forklift attachment, 10,000 lbs

PROGRAM STATUS

- Completed FY03 contract award
- Residual fleet units, MPS, NALMEB, Depot

AAO: 589
July 2004

MILESTONE SCHEDULE

Fiscal Year Quarter	00 I II III IV	01 I II III IV	02 I II III IV	03 I II III IV	04 I II III IV	05 I II III IV
Milestone 0	◆					
Milestone I/III Contract Award	◆	■				
Production & Fielding Decision		(6 June 01)				
FY00Prod & Fielding		■	(11 4)			
FY01 Prod & Fielding		■	(119)			
FY02 Prod & Fielding			■	(20 0)		
FY03 Prod & Fielding				■		(17 0)



Motor Grader 130-G



DESCRIPTION

- Self-propelled, Rubber-tired, four wheel drive, articulated frame
- Utilized in building and maintaining roads

PROGRAM STATUS

- Rebuilds Existing Fleet
- Estimated Program Completion 3rd qtr FY05

MILESTONE SCHEDULE

Fiscal Year Quarter	00 I II III IV				01 I II III IV				02 I II III IV				03 I II III IV				04 I II III IV				05 I II III IV			
AAP Approval																								
Contract Award																								
Production FY02																								
Production FY03																								
Production FY04																								



Scraper 621-B



DESCRIPTION

- Open bowl pneumatic tired, 14-18 Cubic yard capacity, Articulated frame-steer
- Utilized as an earthmover and extractor

PROGRAM STATUS

- 621-B's have been picked up from the owning units and started into the SLEP program.
- Estimated Program completion 4th Qtr FY04

MILESTONE SCHEDULE

Fiscal Year Quarter	00 I II III IV	01 I II III IV	02 I II III IV	03 I II III IV	04 I II III IV	05 I II III IV
AAP Approval		◆				
Production FY01		■				
Award FY02 Delivery Order			◆			
Production FY02			■			



Next Generation Rough Terrain Container Handler



(RTCH)

DESCRIPTION

- Rough terrain, all-wheel drive/steer, self deployable
- Heavy Lift capable, with optimum lifting capacity of 50,000 lbs..
- Variable load capacity (360).
- Air transportable in less than 30 minutes (C-5 and C17 without disassembly, current RTCH takes 2 days and must be disassembled)
- Ford up to 60 inches
- Diesel powered with four forward and four reverse speed selections
- Enclosed cab allowing for extended operations in all-weather conditions
- Extremely more capable than existing RTCH
- Current RTCH will be 25-26 years old

PROGRAM STATUS

- ACAT Designation: ACAT IV
- Part of MHE CORE Line
- Milestones: Milestone A/C, 1ST QTR FY05
- Lead Service: ARMY
- CURRENT SYSTEM
 - **Procured 1984**
 - **IN Service 1986**
- Current Contractor: CATERPILLAR
- Prime Contractor: KALMAR
 - **Type of Contract: FFP IDIQ**

AAO: 80

July 2004

MILESTONE SCHEDULE

Fiscal Year	FY04	FY05	FY06	FY07	FY08
Quarter	I II III IV	I II III IV	I II III IV	I II III IV	I II III IV
Milestone A/C		◇			
Contract Award		◇			
Production					
IOC			◇		
FOC					◇

Program Manager, Engineer Systems



High Speed High Mobility Crane (HSMC)



DESCRIPTION

- Rough terrain, all-wheel drive/steer, self deployable
- Heavy Lift capable, with optimum lifting capacity of 50,000 lbs..
- Variable load capacity (360).
- Air transportable (C-5 and C17 without disassembly)
- Ford up to 60 inches
- Diesel powered with four forward and four reverse speed selections
- Enclosed cab allowing for extended operations in all-weather conditions

PROGRAM STATUS

- ACAT Designation: ACAT IV(M)
- Part of MHE CORE Line
- Milestones: Milestone A/C, 1ST QTR FY05
- Lead Service: USMC,
- CURRENT SYSTEM
 - **Procured 1989**
 - **IN Service 1994**
- Current Contractor: P&H CRANE (Now TEREX)
- Prime Contractor: To Be Determined
 - **Type of Contract: FFP IDIQ**

AAO: 128

July 2004

MILESTONE SCHEDULE

Fiscal Year	FY04	FY05	FY06	FY07	FY08
Quarter	I II III IV	I II III IV	I II III IV	I II III IV	I II III IV
Milestone A/C		◇			
Contract Award		◇			
Production					
IOC			◇		
FOC					◇

Program Manager, Engineer Systems



Light Rough Terrain Crane



DESCRIPTION

- Rough terrain, all-wheel drive, all-wheel steer, self deployable with maximum off-road speed of 35 MPH and cruising range of 300 miles
- Medium Lift with optimum lifting capacity of 7.5 tons.
- Variable load capacity
- Provides aviation support
- Air transportable (C-130, C-5 and C17 without disassembly)
- Diesel powered with four forward and four reverse speed selections
- Can ford up to 60 inches with no equipment preparation required
- Has an enclosed cab which allows for extended operations in all weather conditions

PROGRAM STATUS

- ACAT Designation: AAP (UNDER 30M)
- Part of MHE CORE Line
- Milestones: Milestone A/C, 1ST QTR FY04
- Lead Service: USMC
- CURRENT SYSTEM
 - **PROCURED 1989**
 - **IN SERVICE 1990**
- Current Prime Contractor: Terex Cranes
- Future Prime Contractor: MCLB ALBANY SLEP

MILESTONE SCHEDULE

Fiscal Year	FY03				FY04				FY05				FY06			
Quarter	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
AAP Initiative					◆											
AAP Approval						◆										
SOW						◆										
Sign MOA						◆										
Production																
Fielding																

AAO: 163

July 2004

Program Manager, Engineer Systems

15



TACTICAL FUEL SYSTEM - RECONFIGURED

DESCRIPTION

- The Tactical Fuel System, (TFS) Reconfiguration (TFS-R) provides the capability to receive, store, transfer, distribute and dispense fuel in support of MAGTF operations.
- Current systems supported include AAFS, TAFDS, HERS, and ERS. TFS-R will reduce on-hand allowances and reduce excessive redundancies of the current systems, resulting in increased storage capacity.

PROGRAM STATUS

- Core Funded Roll-up supports Life Cycle Sustainment of all TFS products.
- Rubber products make up 95% of TFS.
- Phase I: FY 00-03
- MPF Reconfiguration OPFORS Reconfiguration

Phase II: FY 03-05

- OPFORS / MARFORRES Depot Held

•Phase III:

- Life Cycle Management
 - SAC III 8 major components

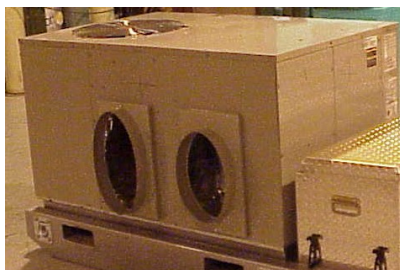
July 2004

MILESTONE SCHEDULE

Fiscal Year Quarter	00				01				02				03				04				05				06			
APP APPROVAL																												
PROCUREMENT																												
RECONFIGURE MPS																												
RECONFIGURE OPFOR																												
RECONFIGURE DEPOT HELD																												
ESTABLISH SAC 3 ITEMS																												
HOSE REEL- AAFS INTEGRATION																												



ENVIRONMENTAL CONTROL EQUIPMENT (ECE)



DESCRIPTION

- Air Conditioners provide complete cooling, heating, ventilation and dehumidification for electronic systems requiring environmental control for optimum performance.
- Environmental Control Units (ECU) have a direct impact on the readiness of the supported C4I systems.
- Provide refrigeration equipment used to store perishable food items in support of field messing.

PROGRAM STATUS

- Approved ACAT IVM
- Consolidation from MILSTD to COTS ECU.
- Contract Award 4th Qtr FY04
- Full Rate Production 1st Qtr FY05
- IOC 3rd Qtr FY05

1.5T
3T
5T
8T

AAO: 542
AAO: 2,455
AAO: 380
AAO: 360

MILESTONE SCHEDULE

Fiscal Year Quarter	03				04				05				06				07				08				09			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
ACAT IV Designation				◇																								
Production																												
IOC (18K, 36K, & 60K BTU)											◇																	
FOC																												◇



TACTICAL WATER PURIFICATION SYSTEM (TWPS)



DESCRIPTION

- The Tactical Water Purification System (TWPS) is a skid mounted, generator powered system capable of producing potable water from any available raw water source at a rate of 1200-1500 gallons of water per hour (GPH) in expeditionary environments. The TWPS will replace the aging 600-GPH ROWPUs at a 1 for 2 ratio.
- The 1500 GPH TWPS will incorporate technological advances which will produce a significantly more efficient water purification system with a reduced footprint and lift requirement.

PROGRAM STATUS

- Full Rate Production Decision – May 04
- Fielding beginning 2nd Qtr FY-05
- IOC 2nd Qtr FY06
- AAO 243

MILESTONE SCHEDULE

Fiscal Year Quarter	FY02				FY03				FY04				FY05				FY06				FY07				FY08			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
LRIP Decision		◆																										
Log Demo																												
PVT																												
IOT&E																												
Milestone 6 (FRP)																												
IOC																												
EOC																												
MC Units																												



WATER SUPPLY SUPPORT EQUIPMENT (WSSE)



DESCRIPTION

• The Family of Water Supply Support Equipment (WSSE) includes all water assets associated with storage and distribution of potable water with the capability to distribute/store 1.2 million gallons of water. The acquisition of water equipment is managed at the DoD level. Each Maritime Prepositioned Squadron (MPS) rates one complete 10 Mile system. FMF Engineer Units within each MEF rate selective portions of the system which is

approximately 320,000 gallons of storage and distribution assets.

PROGRAM STATUS

- Core Funded Roll-Up Line of 23 TAMCN.
- Continuous Buy.
- Rubber Products make up 95% of system.
- Centrally Managed by MARCORSYSCOM.

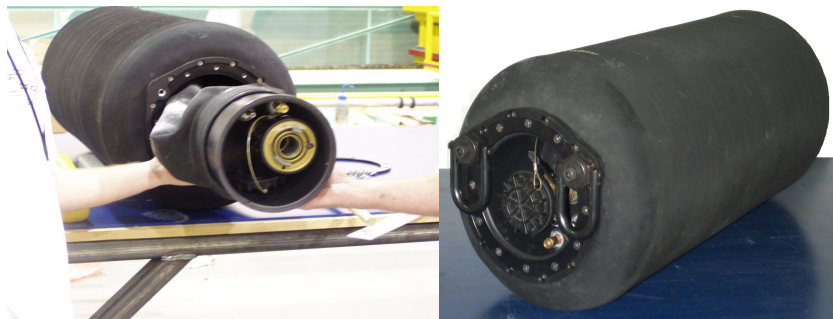
MILESTONE SCHEDULE

- Continuous Buy.



FORWARD AREA SELF-CONTAINED TRANSPORTABILITY (FAST)

DESCRIPTION



The FAST fuel system will provide a means by which to distribute fuel under expeditionary forward operating conditions. The System will be a component of the Expeditionary Fuel System (EFS) and will have a requirement to be interoperable with all ground and aviation equipment planned and currently used in the Marine Corps inventory.

PERFORMANCE PERAMETERS

Small FAST System: (6) 28-gal capacity

- Length: 47 in Dry Weight: 46.2 lbs
- Diameter: 16 in Filled Weight: 234 lbs

Medium FAST System: (4) 300-gal capacity

- Length: 85 in Dry Weight: 145 lbs
- Diameter: 36 in Filled Weight: 2,155 lbs

AAO: **486**

Small System: **243**

Medium System: **243**

- EFS ORD (MOB 44) dtd 21 MAR 03

MILESTONE SCHEDULE

Fiscal Year	FY02				FY03				FY04				FY05				FY06				FY07				FY08			
Quarter	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
ACAT IVM Approval																												
RFP																												
Contract Award																												
QT																												
FUE																												
FRP																												
Fielding																												
IOC																												
FOC																												



Assault Breacher Vehicle



DESCRIPTION

ABV is a tracked, combat engineer vehicle designed to breach minefields and complex obstacles and provide in-stride breaching capability. ABV equipment includes a Full-Width Mine Plow, two Mk 155 Linear Demolition Charge Systems, a remote control system, and two lane marking systems. ABV will provide crew protection and vehicle survivability while having the speed and mobility to keep pace with the maneuver force.

PROGRAM STATUS

- FY03 - MS B Approved
- FY04 - Fabricate 3 Prototypes
- FY04 - MS C
- FY05 - Operational Testing
- FY05 - IOC
- FY07 - FOC

AAO: 33

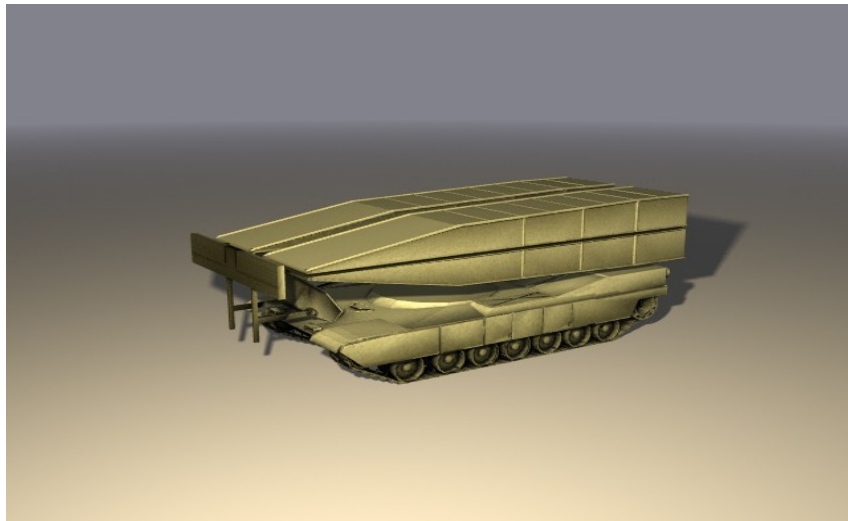
July 2004

MILESTONE SCHEDULE

	FY02	FY03	FY04	FY05	FY06	FY07
SYSTEM INTEGRATION	■					
DEMONSTRATOR DELIVERED		◆				
DEVELOPMENTAL TESTING		■				
MILESTONE B APPROVED		◆				
FAB PROTOTYPES (3)		■				
DT/LUE/OT&E			■	■		
MS C / FRP			◆	■		
IOC/FOC					◆	◆



Expeditionary Assault Bridge



INITIATIVE DESCRIPTION

Replace aged M60A1 Tank based launcher.

Integrate NDI launcher with a M1A1 tank chassis and existing USMC MLC70 bridges.

Development and procure 22 Expeditionary Assault Bridges (EAB).

ACQUISITION STRATEGY

- Demonstrator FY05
 - Procure and integrate NDI launcher with existing GFE M1A1 chassis and MLC 70 scissors bridge.
 - Anniston Army Depot will be integrator.
 - Launcher manufacturer will team with ANAD for integration effort: interface design & drawings, logistics support.
 - Test
- Production
 - 22 EABs integrated & fabricated through ANAD.
 - Launcher, chassis, bridge provided as GFE to ANAD.

MILESTONE SCHEDULE

Fiscal Year	2004				2005				2006				2007				2008			
Quarter	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Program Initiation			◆																	
RFP Dev & Release				▬																
Contract Award				◆																
Demonstrator build					▬															
DT								▬												
MS C									◆											
Option Award									◆											
LRIP									▬											
IOT&E												▬								
FRPD/FD														◆						
Option Award															◆					
IOC (TBD)																◆				
FOC (FY 2008)																				◆



Advanced Mine Detector



DESCRIPTION

The AMD is a battery operated, handheld mine detection device consisting of a battery pack, handheld wand with controls, metallic and GPR sensors. It will provide the Advanced Mine Detector capability.

Advanced Mine Detector Data

- Length (retracted)
18"
- Weight
10 lbs
- Length (extended)
62"
- Conduct LUE 4th Qtr FY04
- Production 1st Qtr FY05

CONTRACT DESCRIPTION

Procure from Army CyTerra Production Contract

- Obtain and Field in FY 04 through FY07
- Interim Procurement- AO Less MPS Quantities
- Production and Deployment & Operational Support Phases

- Prime Contractor: CyTerra
- Contracting Method: Full and Open Competition
- Contract Type: FFP
- Original Contract: CPIF
- Contract Agency: US Army CECOM



Bridge Erection Boat



DESCRIPTION

The Bridge Erection Boat (BEB) is used to support bridging and amphibious operations. It is a 27-foot aluminum hulled open boat capable of carrying 15 Marines or 4,400 pounds of cargo.

The BEB is primarily used to place and secure bridging assets, such as the Improved Ribbon Bridge (IRB) against currents.

PROGRAM STATUS

- Contract Award 4th Qtr FY04
- FY 04/05 Construction/Testing of 4 Boats
- FY 05 IOC
- FY 06 FOC
- **AAO: 66**

MILESTONE SCHEDULE

Fiscal Year Quarter	04				05				06			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
BEB IOC							◆					
BEB FOC											◆	



Small Caliber Disrupter



DESCRIPTION

The SCD will provide EOD technicians the capability to render safe ordnance by cutting, gagging, severing, or jamming small concealed, or otherwise screened, threat targets emplaced in various challenging orientations that cannot be practically disarmed by existing EOD explosively driven Render Safe Procedure (RSP) tools. The SCD provides EOD technicians an improved render safe capability against small munitions, as current EOD RSP tools are too large and cumbersome.

LOGISTICS / FIELDING

- Navy Firm-Fixed Price Contract (N00174-02-D-0004)
- Purchase through Naval Inventory Control Point (NAVICP)
- CBT
- Distribution:

I MEF	16
II MEF	17
III MEF	10
S/E	15
MPF	12
NALMEB	3

MILESTONE SCHEDULE

Fiscal Year Quarter	04 I II III IV	05 I II III IV	06 I II III IV	07 I II III IV	08 I II III IV
Procurement Decision	◆				
Fielding Decision	◆				
IOC	◆				
FOC	◆				



MK 26 Mod 1 Ordnance Locator



DESCRIPTION

The MK 26 uses passive ferrous metal detection to detect, distinguish, and identify buried or covered UXO. This is a life-cycle replacement procurement.

LOGISTICS / FIELDING

- GSA
- CLS/Depot Support
- CBT
- Distribution:
 - I MEF 12
 - II MEF 13
 - III MEF 8
 - S/E 15
 - MPF 12
 - NALMEB 3

MILESTONE SCHEDULE

Fiscal Year Quarter	04 I II III IV	05 I II III IV	06 I II III IV	07 I II III IV	08 I II III IV
Procurement Decision	◆				
Fielding Decision	◆				
IOC	◆				
FOC	◆				



HW300 Hardwire Communications Kit



DESCRIPTION

The HW-300 is designed specifically for EOD/IEDD teams. A hardwire communication system should reduce the risks of inducing radio frequency signals into an improvised explosive device. The system includes a combined remote control module and spool of low friction cable, command post module, tape recorder, and carry bag.

LOGISTICS / FIELDING

- GSA
- Direct Vendor Support from OEM
- OEM Manual
- Distribution:

I MEF	24
II MEF	24
III MEF	16
S/E	30
MPF	6

MILESTONE SCHEDULE

Fiscal Year Quarter	04 I II III IV	05 I II III IV	06 I II III IV	07 I II III IV	08 I II III IV
Procurement Decision	◆				
Fielding Decision	◆				
IOC	◆				
FOC	◆				



Interspiro SCBA



DESCRIPTION

The Self-Contained Breathing Apparatus (SCBA) is a compressed air breathing apparatus for work in contaminated environments. The SCBA operates with positive pressure, which keeps toxic gases from leaking into the face piece. The SCBA consists of a mask assembly, a regulator assembly, a radio interface, and a carry case.

LOGISTICS / FIELDING

- GSA
 - CLS
 - OEM NETT
 - Distribution:
- | | |
|---------|----|
| I MEF | 36 |
| II MEF | 36 |
| III MEF | 24 |
| S/E | 36 |
| MPF | 12 |

MILESTONE SCHEDULE

Fiscal Year Quarter	04	05	06	07	08
	I II III IV	I II III IV	I II III IV	I II III IV	I II III IV
Procurement Decision	◆				
Fielding Decision	◆				
IOC	◆				
FOC	◆				